



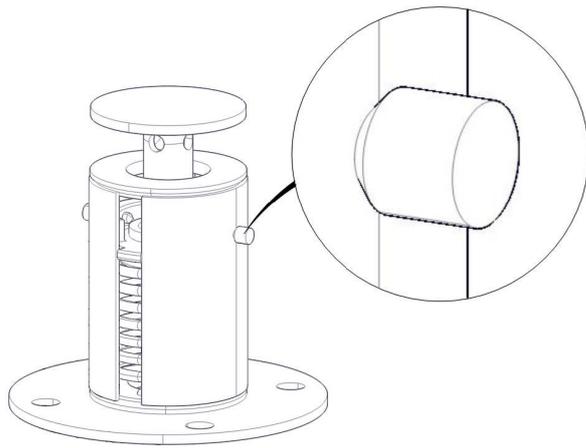
ASSEMBLY AND UNLOCKING GUIDE FOR VARIABLE SPRING SUPPORTS - TYPE F

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SHEET:
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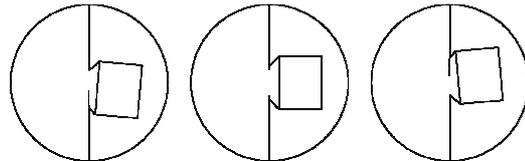
The installation of this spring type must be done by means of bolts to be placed in the base plate holes, although it's possible the tack welding if the structural disposition doesn't permit the bolting connection. This way, you are able to be sure that overturning doesn't happen, and spring doesn't move its position due to pipe horizontal displacements.

You must follow the next instructions (after the hydraulic test is finished) in order to unlock the spring:



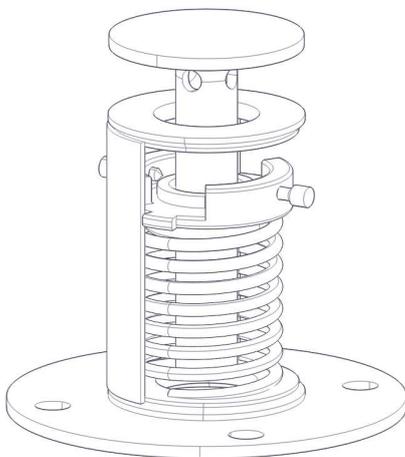
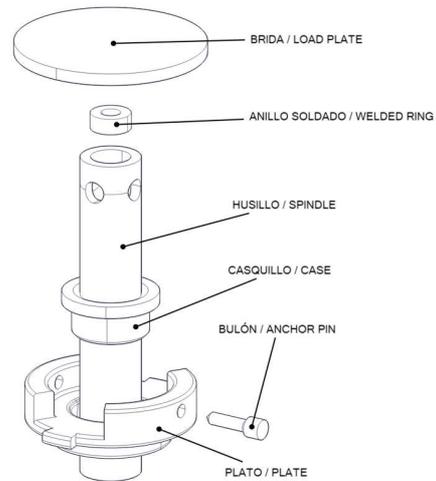
UPWARDS

DOWNWARDS



Check the position of the pins. They can be leaning upwards, downwards, or they can be in horizontal position.

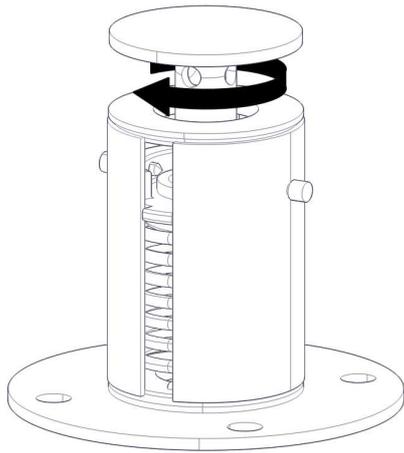
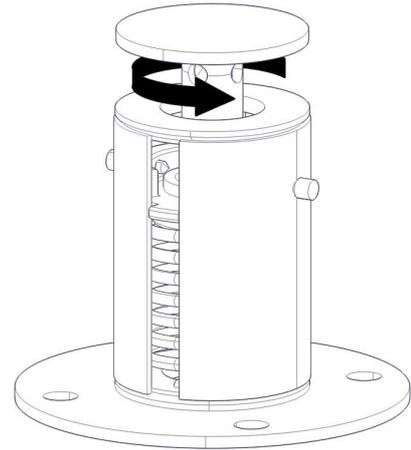
The load plate and the ring are welded. This welded set assembles in the spindle. The lower case and the plate are welded.



If the pins are leaning upwards (used to come like that after manufacturing), it means that the spring is pushing upwards stronger than the pipe downwards, and the spring must be tightened.

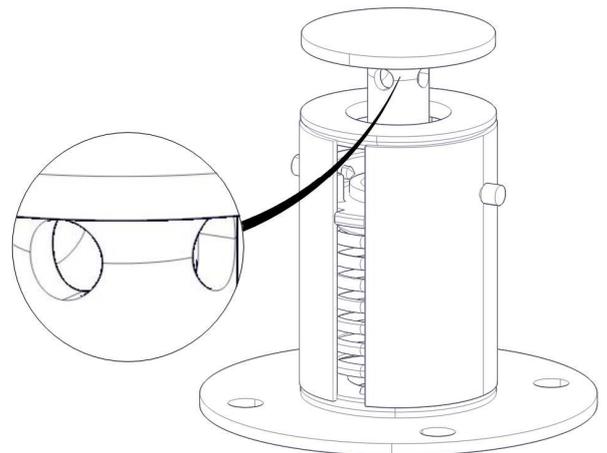
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In this case, you should turn counter clockwise the spindle, until the pins move to the horizontal position.

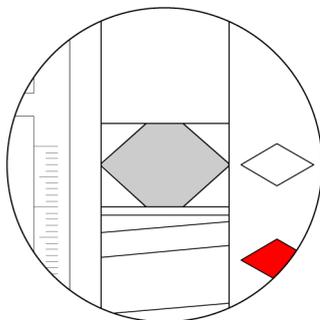


If the pins are leaning downwards, it means the spring is overtightened. In this case, you should turn clockwise the spindle, until the pins move to the horizontal position.

To turn the spindle easily, you can lever it using a bar through the top holes.



If you follow these instructions, you will be able to take the anchor pins off easily, using pliers or just your hands.



Once the anchor pins are out, you should check that the middle point of the plate is approximately aligned with the vertex of the blue or white rhombus. If it is not, you must screw or unscrew again the spindle until it is aligned.

If there are various spring supports in the same pipe line, you must unlock first those that bear the higher load. Once you unlock all the supports, you should check all the indicators, and if it is necessary, adjust them again.

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